

# Flu Watch

MMWR Week 15: April 8 to April 14, 2018

*All data are provisional and subject to change as more reports are received.*

## Geographic Spread



South Carolina reported **local activity** this week.



## Influenza-Associated Hospitalizations and Deaths

A total of **23** influenza-associated hospitalizations were reported by 44 hospitals. The cumulative hospitalization rate is **88.7** per 100,000. There were **3** laboratory-confirmed influenza-associated deaths reported; however, **2** deaths occurred in previous weeks. The cumulative mortality rate is **5.0** per 100,000. Compared to the previous week, the number of reported hospitalizations **decreased by 23 (50.0%)** and number of reported deaths **remained the same**. In the current flu season, there have been **4,399** influenza-associated hospitalizations and **252** influenza-associated deaths reported.



## Virologic Surveillance

A total of **586** influenza cases (**571** positive rapid antigen detection tests; **15** lab-confirmed tests) were reported from 35 counties representing all four DHEC Public Health regions. Influenza B was most frequently reported by clinical and public health labs. Compared to the previous week, this is a **decrease of 496 cases (45.8%)**. In the current flu season, there have been **133,269** influenza cases (**129,863** positive rapid antigen detection tests; **3,406** lab-confirmed tests) reported.



## Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **1.83%**, which is **below** South Carolina's baseline (**3.13%**). Compared to the previous week, this is a **decrease of 0.50%**.

The ILI activity level was **minimal**.

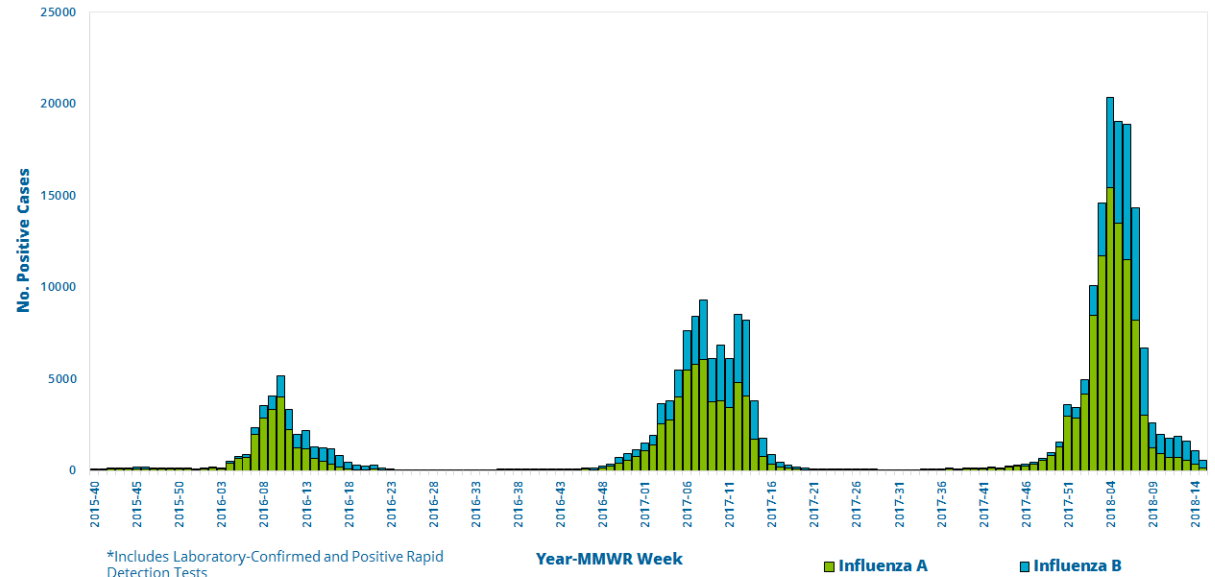


# Virologic Surveillance

This week, **15** lab-confirmed cases and **571** positive rapid influenza detection tests were reported by clinical labs.

**Influenza B** was most frequently reported by clinical and public health labs.

**Influenza Cases\* Reported by Clinical and Public Health Labs, 2015-16 Season to Present**



**Influenza Cases Reported by Public Health and Clinical Labs, This Week and Season Total**

Influenza Type	Public Health Lab		Clinical Labs		Total	
	This Week	Season Total	This Week	Season Total	This Week	Season Total
<b>Overall</b>	<b>1</b>	<b>167</b>	<b>585</b>	<b>133,102</b>	<b>586</b>	<b>133,269</b>
<b>Influenza A</b>	<b>0</b>	<b>132 (79.0%)</b>	<b>146 (25.0%)</b>	<b>90543 (68.0%)</b>	<b>146 (25.0%)</b>	<b>90675 (68.0%)</b>
A (H3)	--	100 (75.8%)	--	380 (0.4%)	--	480 (0.5%)
A (H1N1)	--	32 (24.2%)	--	158 (0.2%)	--	190 (0.2%)
A (not subtyped)	--	--	146 (100%)	90005 (99.4%)	146 (100%)	90005 (99.3%)
<b>Influenza B</b>	<b>1 (100%)</b>	<b>35 (21.0%)</b>	<b>438 (74.9%)</b>	<b>42053 (31.6%)</b>	<b>439 (74.9%)</b>	<b>42088 (31.6%)</b>
B (Victoria)	1 (100%)	1 (2.8%)	--	--	1 (0.2%)	1 (0.0%)
B (Yamagata)	--	31 (88.6%)	--	--	--	31 (0.1%)
B (lineage not performed)	--	3 (8.6%)	438 (100%)	42053 (100%)	438 (99.8%)	42056 (99.9%)
<b>Influenza (not typed)</b>	<b>--</b>	<b>--</b>	<b>1 (0.1%)</b>	<b>506 (0.4%)</b>	<b>1 (0.1%)</b>	<b>506 (0.4%)</b>



# Virologic Surveillance

Map of Influenza Cases (n)\*  
and Influenza Case Rate/100,000 By County  
For Week Ending 4/14/2018

Weekly Influenza Case Rate per 100K

0 to 25 persons



26 to 50 persons



51 to 75 persons



Greater than 75 persons



\*Includes all lab-confirmed and positive rapid cases



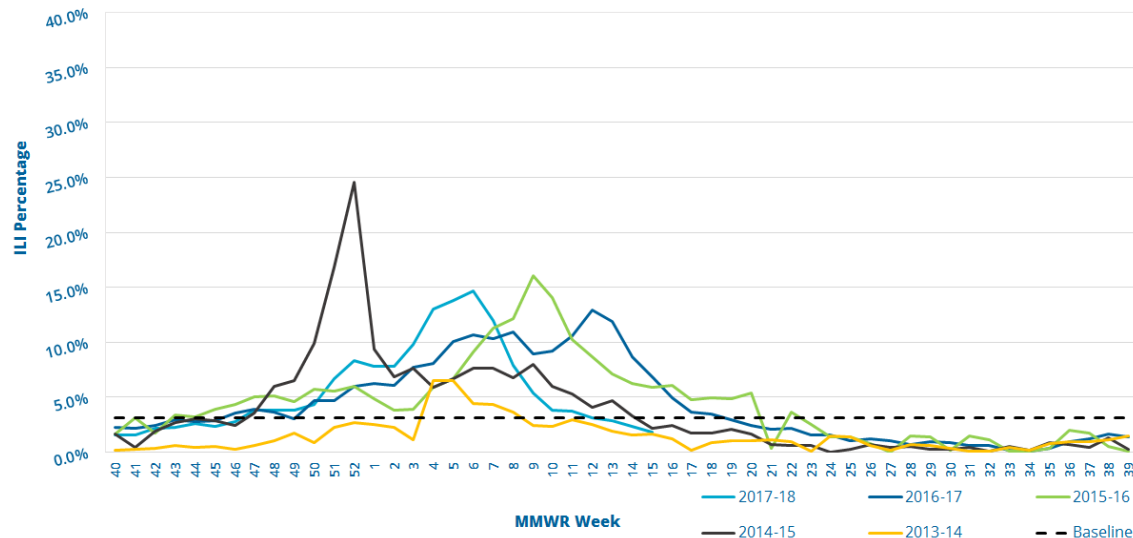
# Influenza-Like Illness Surveillance

This week, the ILI activity level was **minimal** and **1.83%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **below** the state baseline, **3.13%**.

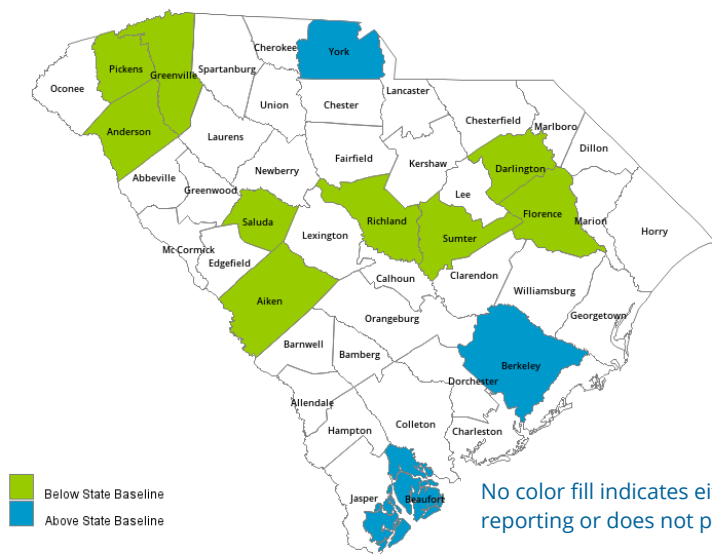
Reports were received from providers in 12 counties, representing all 4 DHEC Public Health regions.

**\*\*ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.\*\***

Percentage of Influenza-Like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2017-18 Calendar by Week of the Year

OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	35
41	45	49	2	6	10	15	19	23	28	32	36
42	46	50	3	7	11	16	20	24	29	33	37
43	47	51	4	8	12	17	21	25	30	34	38
		52			13			26			39

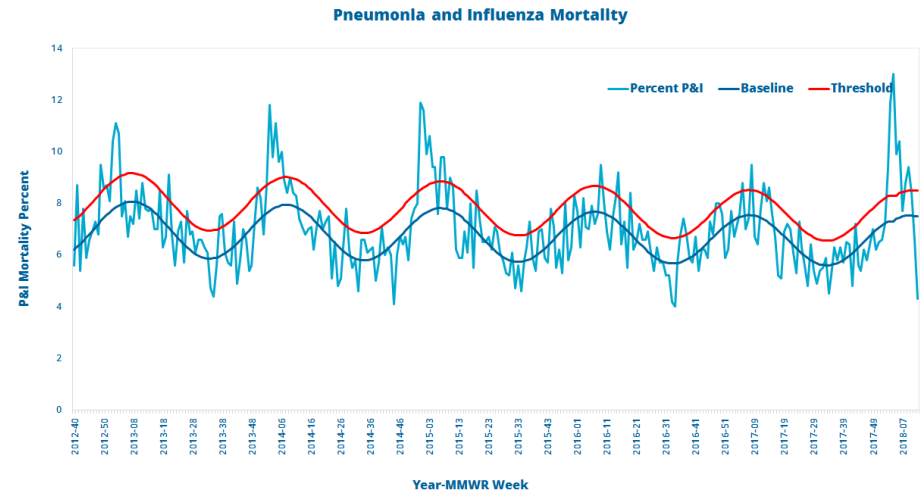
ILI ACTIVITY LEVELS: **MINIMAL** **LOW** **MODERATE** **HIGH**



# Influenza-Associated Hospitalizations And Deaths

Age Group	Hospitalizations			Deaths		
	This Week	Rate per 100,000	Season Total	This Week	Rate per 100,000	Season Total
0 to 4	0	52.5	154	--	1.0	3
5 to 17	0	16.9	136	--	--	--
18 to 49	3	28.4	569	--	1.3	26
50 to 64	8	112.9	1028	--	4.6	42
65 & older	12	397.5	2512	1	28.6	181
Total	23	88.7	4399	1	5.0	252

The percentage of deaths attributed to pneumonia and influenza was 4.3%. This is **below** the epidemic threshold for the week ending March 24, 2018.



**Reported Influenza-Associated Hospitalizations by Age Group, 2015-16 Season to Present**

